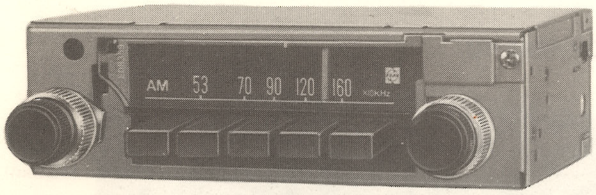
NO. 80072

CAR RADIO SERVICE MANUAL

CUSTOM-MADE FOR TOYOTA CORONA AND CORONA MARK II (CRESSIDA)

TOYOTA PART **NO. 86120-22141** (TUNER ASS'Y, RADIO MODEL CR-1201.TB)

NO. 00862-22141 (RADIO AND SETTING PARTS SET w/ANT MODEL CR-1202FUTB)



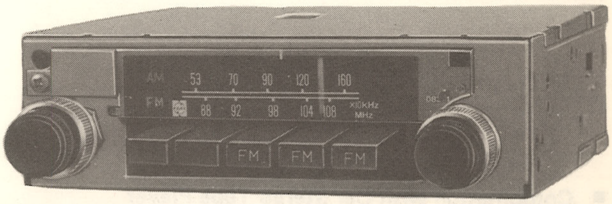
MODEL
CR-1201.TB

AM 5-PUSHBUTTON
SOLID STATE CAR RADIO

TOYOTA PART **NO. 86120-22181** (TUNER ASS'Y, RADIO MODEL CR-1682.TA)

NO. 86120-22182 (TUNER ASS'Y, RADIO MODEL CR-1682.TB)

NO. 00852-22182 (RADIO AND SETTING PARTS SET w/ANT MODEL CR-1683FUTB)



MODELS
CR-1682.TA
CR-1682.TB

AM/FM 5-PUSHBUTTON
SOLID STATE CAR RADIO

SPECIFICATIONS*

		CR-1201.TB	CR-1682.TB
Frequency Range:		AM 530 ~ 1605 kHz	AM 530 ~ 1605 kHz FM 88 ~ 108 MHz
Intermediate Frequency:		AM 450 kHz	AM 450 kHz FM 10.7 MHz
Sensitivity:		AM 26 dB/μV (at 0.5 W output, DC 13.2 V)	AM 26 dB/μV FM 18 dB/μV for S/N 10 dB quieting 28 dB/μV for S/N 30 dB quieting (at 0.5 W output, DC 13.2 V)
Power Output:	Continuous;	5.0 W (at 10% THD)	5.0 W (at 10% THD)
	Maximum;	5.5 W (Volume at max. & Tone in the treble)	5.5 W (Volume at max. & Tone in the treble)
		(Conditions; at 400 Hz, 4 Ω load, at 13.2 V DC)	
Power Supply Voltage:		DC 12 V (11 ~ 16 V), Negative Ground	DC 12 V (11 ~ 16 V), Negative Ground
Power Consumption:		Approx. 8 W (0.6 A at 0.5 W output, DC 13.2 V)	Approx. 8 W (0.6 A at 0.5 W output, DC 13.2 V)
Speaker Impedance:		4 Ω	4 Ω
IC's:		2	3
Transistors:		–	5
Diodes:		5	10
Dimensions**:	Width;	6-5/16″ (160 mm)	6-5/16″ (160 mm)
	Height;	1-7/8″ (48 mm)	1-7/8″ (48 mm)
	Depth;	3-3/4″ (95 mm)	5-1/2″ (140 mm)
Weight**:		2.0 lbs (0.9 kg)	2.4 lbs (1.1 kg)

*Specifications subject to change without notice.
**Dimensions and Weight shown are approximate.

TOYOTA MOTOR SALES CO., LTD.

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REPLACEMENT PARTS LIST –CR-1682.TB– .. 15 ~ 19

- **Combination with Car Stereo Tape Player**
  CR-1201.TB/CR-1682.TB should be used in combination with the car stereo tape player, CX-7315.TB at CORONA or CX-7317.TB at CORONA MARK II (CRESSIDA), whose audio circuit is the same specified.

- **CR-1682.TA........**
  The differences between CR-1682.TA and CR-1682.TB are only Audio PCB and the relative parts.
  As Audio PCB and the relative parts of CR-1682.TA are the same as CR-1682.T, use the service manual of CR-1682.T (Order No. 80063) and this servise manual for servicing CR-1682.TA.
  For combining the car stereo tape player, recommend CX-7315.T or CX-7317.T.

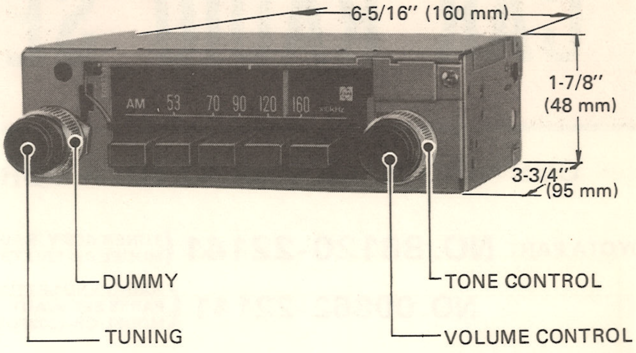
- **INSTALLATION INSTRUCTIONS**
  The installation instructions are the same as the below service manuals for description.

At TOYOTA CORONA
Service Manual Order No. 80063
(CR-1201.T/1682.T)

At TOYOTA CORONA MARK II (CRESSIDA)
Service Manual Order No. 80071
(CR-1732.TA/.TB)

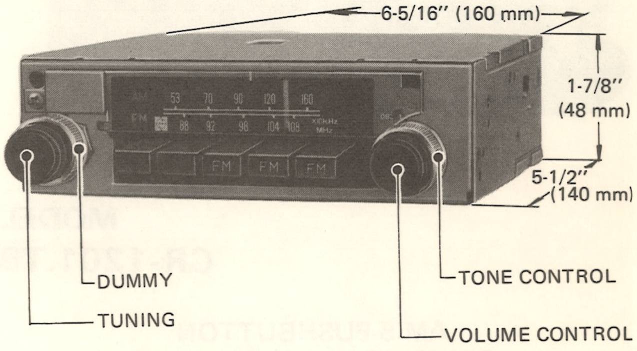
DIMENSIONS AND LOCATION OF CONTROLS

■ CR-1201.TB



●Shaft Spacing: 4-7/8" (124 mm)

■ CR-1682.TB



●Shaft Spacing: 4-7/8" (124 mm)

FEATURES

[COMMON]

- Custom-made for TOYOTA CORONA and CORONA MARK II (CRESSIDA).
- DC 12 V, negative ground.
- Sensitive superheterodyne system using one-chipped IC on AM circuit.
- Electronic Tone Control.
- Easy-to-adjust antenna trimmer.
- Combination with car stereo tape player, CX-7315.TB or CX-7317.TB.

[CR-1201.TB]

- AM 5-pushbutton and manual tuning car radio with 4-7/8" (124 mm) pitched shafts.

[CR-1682.TB]

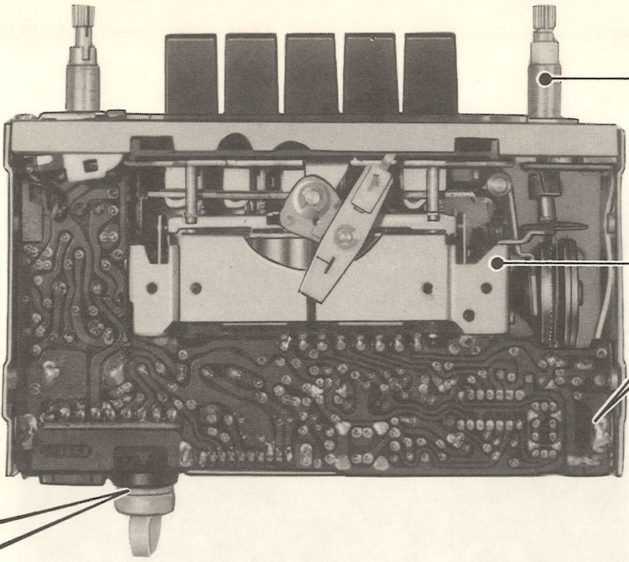
- AM/FM 5-pushbutton and manual tuning car radio with 4-7/8" (124 mm) pitched shafts.
- Sensitive superheterodyne system with 1 RF stage and 2 IF stages (IC and CF) amplifiers on FM.
- A. F. C. (Automatic Frequency Control).
- A. G. C. (Automatic Gain Control).

PARTS LOCATION

MODEL CR-1201.TB (TOYOTA PART NO. 86120-22141)

- Reference Numbers in ( ) are listed in the Replacement Parts List, starting on page 12.
- For other parts location, see the EXPLODED VIEW on page 10.

TOP VIEW, WITH COVER REMOVED

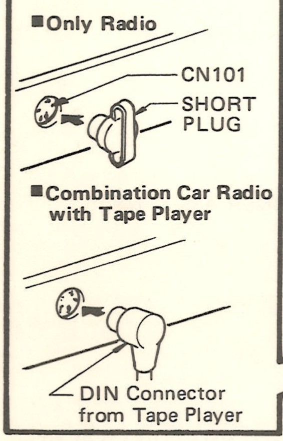


TUNING SHAFT (M50-1)

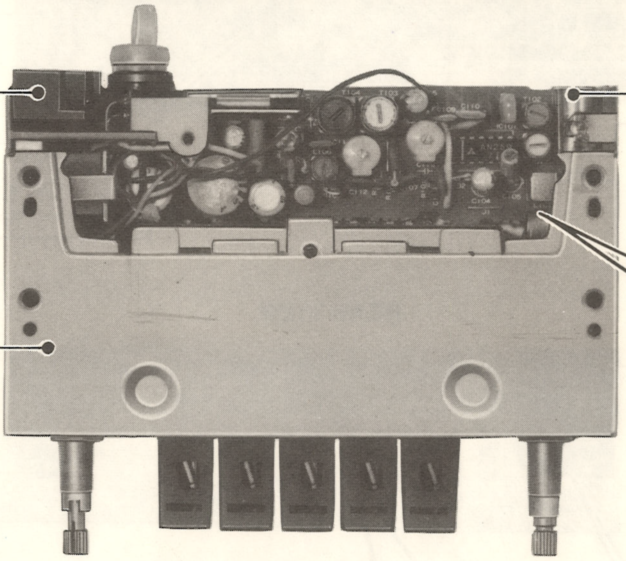
TUNER ASS'Y (M50)

RADIO PCB
Voltage Measurements can be made on this conductive side.

DIN CONNECTOR (CN101)


■Only Radio
CN101
SHORT PLUG
■Combination Car Radio with Tape Player
DIN Connector from Tape Player

BOTTOM VIEW, WITH COVER REMOVED



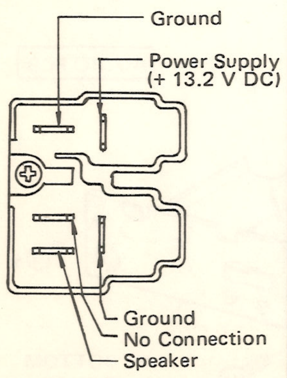
POWER SUPPLY/SPEAKER TERMINAL (M2)

ANTENNA RECEPTACLE (M4)

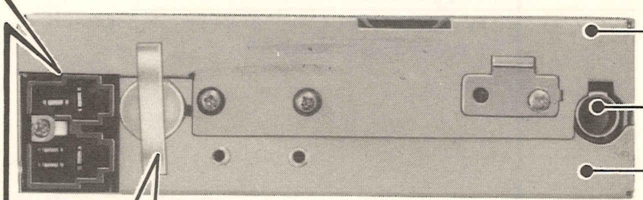
RADIO PCB
Alignment can be made on this component side.

CHASSIS (M7)

TERMINAL CONNECTION


Ground
Power Supply (+ 13.2 V DC)
Ground
No Connection
Speaker

REAR VIEW



UPPER COVER (M9)

ANTENNA RECEPTACLE (M4)

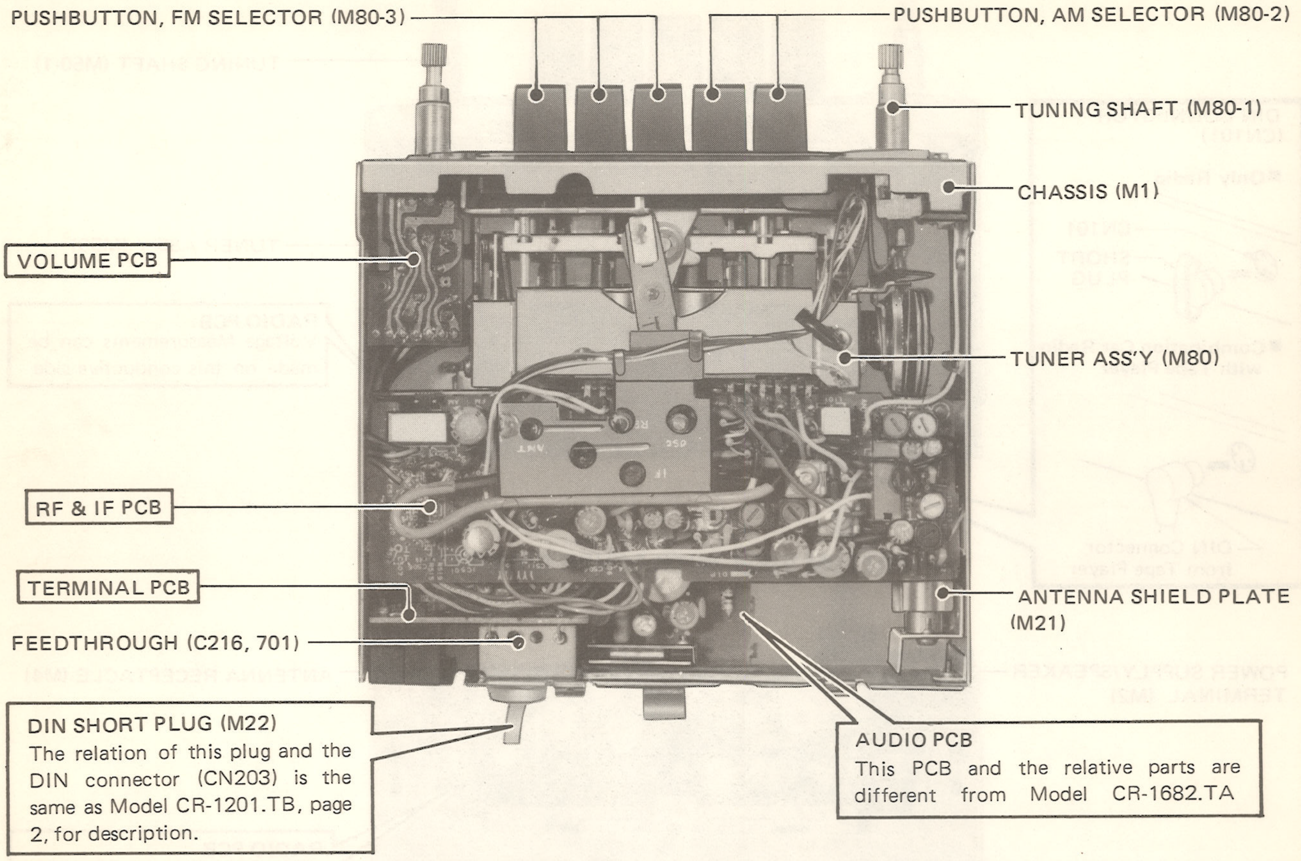
BOTTOM COVER (M8)

DIN SHORT PLUG (M1)
Confirm that this plug is connected into the DIN connector (CN101) when installing only Car Radio.

PARTS LOCATION MODEL CR-1682.TB (TOYOTA PART NO. 86120-22182)

- Reference Numbers in ( ) are listed in the Replacement Parts List, starting on page 15.
- For other parts location, see the EXPLODED VIEW on page 11.

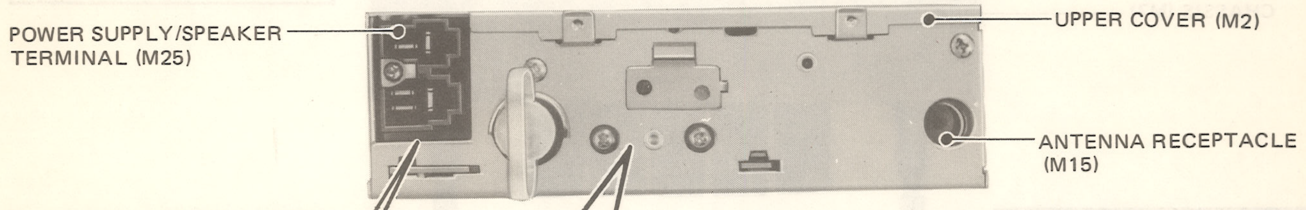
TOP VIEW, WITH COVER REMOVED

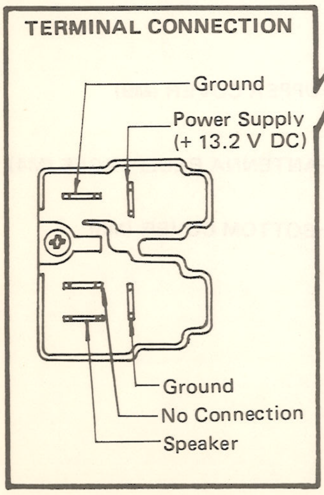

PUSHBUTTON, FM SELECTOR (M80-3)
PUSHBUTTON, AM SELECTOR (M80-2)
TUNING SHAFT (M80-1)
CHASSIS (M1)
VOLUME PCB
TUNER ASS'Y (M80)
RF & IF PCB
TERMINAL PCB
ANTENNA SHIELD PLATE (M21)
FEEDTHROUGH (C216, 701)
DIN SHORT PLUG (M22)
AUDIO PCB

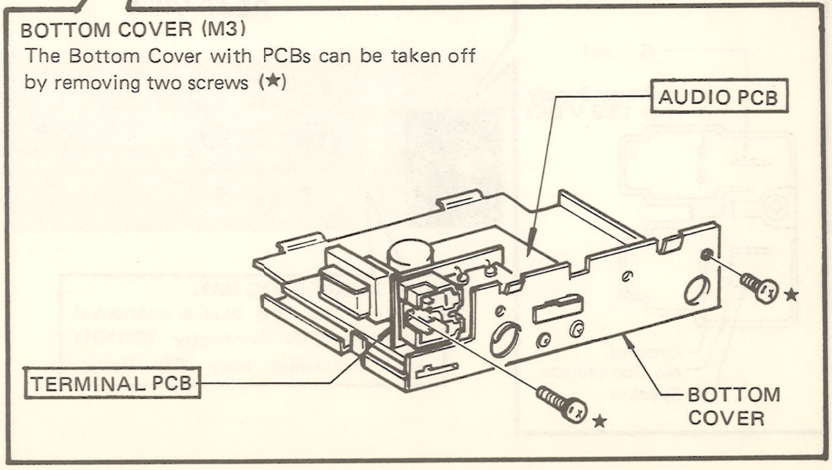
DIN SHORT PLUG (M22)
The relation of this plug and the DIN connector (CN203) is the same as Model CR-1201.TB, page 2, for description.

AUDIO PCB
This PCB and the relative parts are different from Model CR-1682.TA

REAR VIEW


POWER SUPPLY/SPEAKER TERMINAL (M25)
UPPER COVER (M2)
ANTENNA RECEPTACLE (M15)

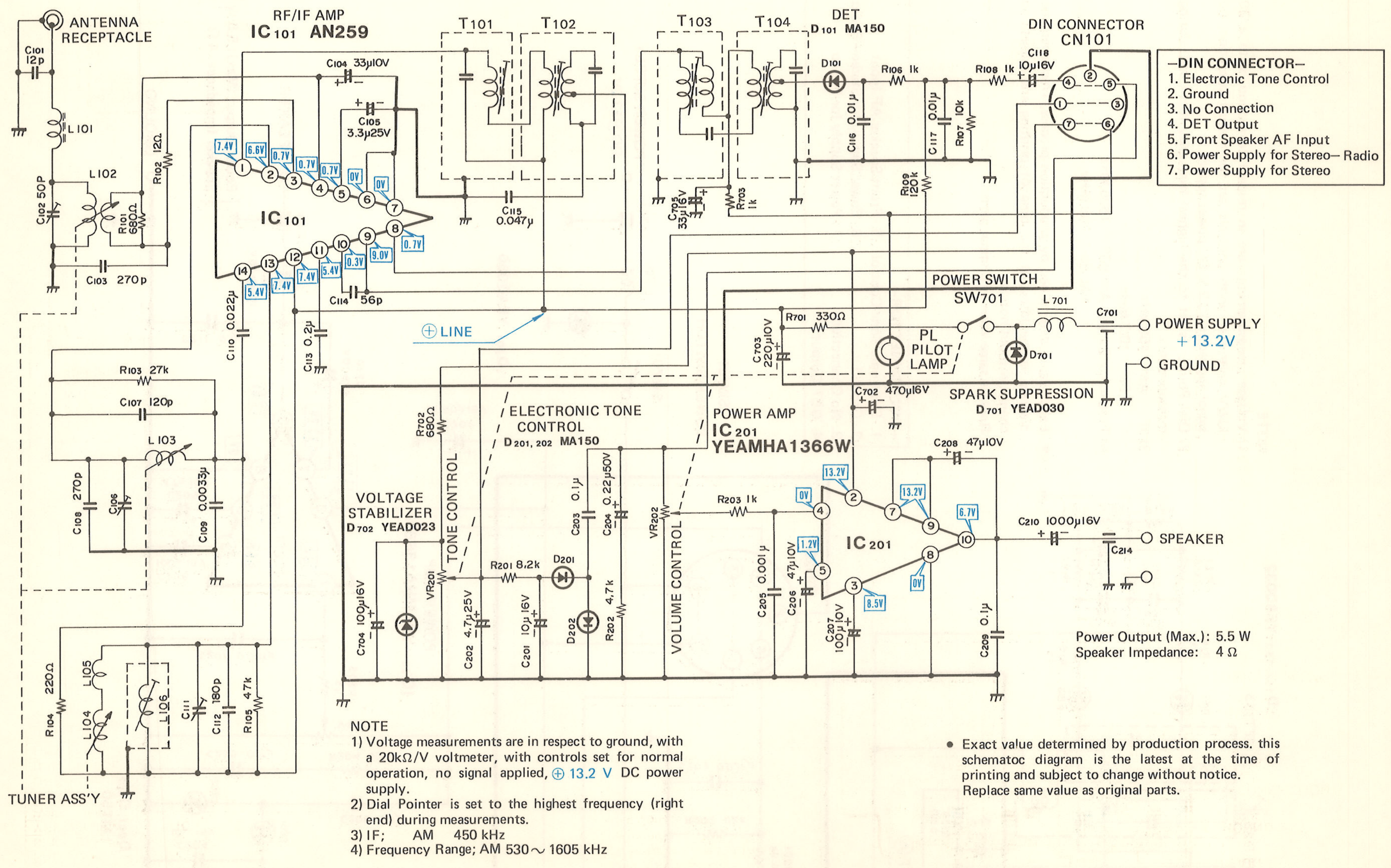

TERMINAL CONNECTION
Ground
Power Supply (+ 13.2 V DC)
Ground
No Connection
Speaker


AUDIO PCB
TERMINAL PCB
★
★
BOTTOM COVER

BOTTOM COVER (M3)
The Bottom Cover with PCBs can be taken off by removing two screws (★)

SCHEMATIC DIAGRAM

TOYOTA PART NO. 86120-22141
MODEL CR-1201.TB


ANTENNA RECEPTACLE
C101 12p
L101
C102 50P
L102
R101 680Ω
R102 12Ω
C103 270p
RF/IF AMP
IC101 AN259
C104 33μ10V
C105 3.3μ25V
7.4V
6.6V
0.7V
0.7V
0.7V
0V
0V
0.7V
9.0V
0.3V
5.4V
7.4V
7.4V
5.4V
IC101
C114 56p
C115 0.047μ
C110 0.022μ
C113 0.2μ
⊕ LINE
R103 27k
C107 120p
L103
C108 270p
C106
C109 0.0033μ
T101
T102
T103
T104
C705 33μ16V
R703 1k
DET
D101 MA150
D101
C116 0.01μ
R106 1k
C117 0.01μ
R107 10k
R108 1k
C118 10μ16V
R109 120k
DIN CONNECTOR
CN101
POWER SWITCH
SW701
L701
C701
R701 330Ω
C703 220μ10V
PL PILOT LAMP
D701
POWER SUPPLY
+13.2V
GROUND
C702 470μ16V
SPARK SUPPRESSION
D701 YEAD030
R702 680Ω
ELECTRONIC TONE CONTROL
D201, 202 MA150
VOLTAGE STABILIZER
D702 YEAD023
TONE CONTROL
VR201
C704 100μ16V
C202 4.7μ25V
R201 8.2k
D201
C201 10μ16V
D202
C203 0.1μ
C204 0.22μ50V
R202 4.7k
VR202
VOLUME CONTROL
POWER AMP
IC201
YEAMHA1366W
R203 1k
C205 0.001μ
C206 47μ10V
C207 100μ10V
13.2V
0V
1.2V
13.2V
8.5V
0V
6.7V
IC201
C208 47μ10V
C210 1000μ16V
C214
C209 0.1μ
SPEAKER
R104 220Ω
L105
L104
L106
C111
C112 180p
R105 47k
TUNER ASS'Y

–DIN CONNECTOR–
1. Electronic Tone Control
2. Ground
3. No Connection
4. DET Output
5. Front Speaker AF Input
6. Power Supply for Stereo– Radio
7. Power Supply for Stereo

Power Output (Max.): 5.5 W
Speaker Impedance: 4 Ω

NOTE
1) Voltage measurements are in respect to ground, with a 20kΩ/V voltmeter, with controls set for normal operation, no signal applied, ⊕ 13.2 V DC power supply.
2) Dial Pointer is set to the highest frequency (right end) during measurements.
3) IF; AM 450 kHz
4) Frequency Range; AM 530～1605 kHz

- Exact value determined by production process. this schematoc diagram is the latest at the time of printing and subject to change without notice. Replace same value as original parts.

AM CAR RADIO

Jan., 1978

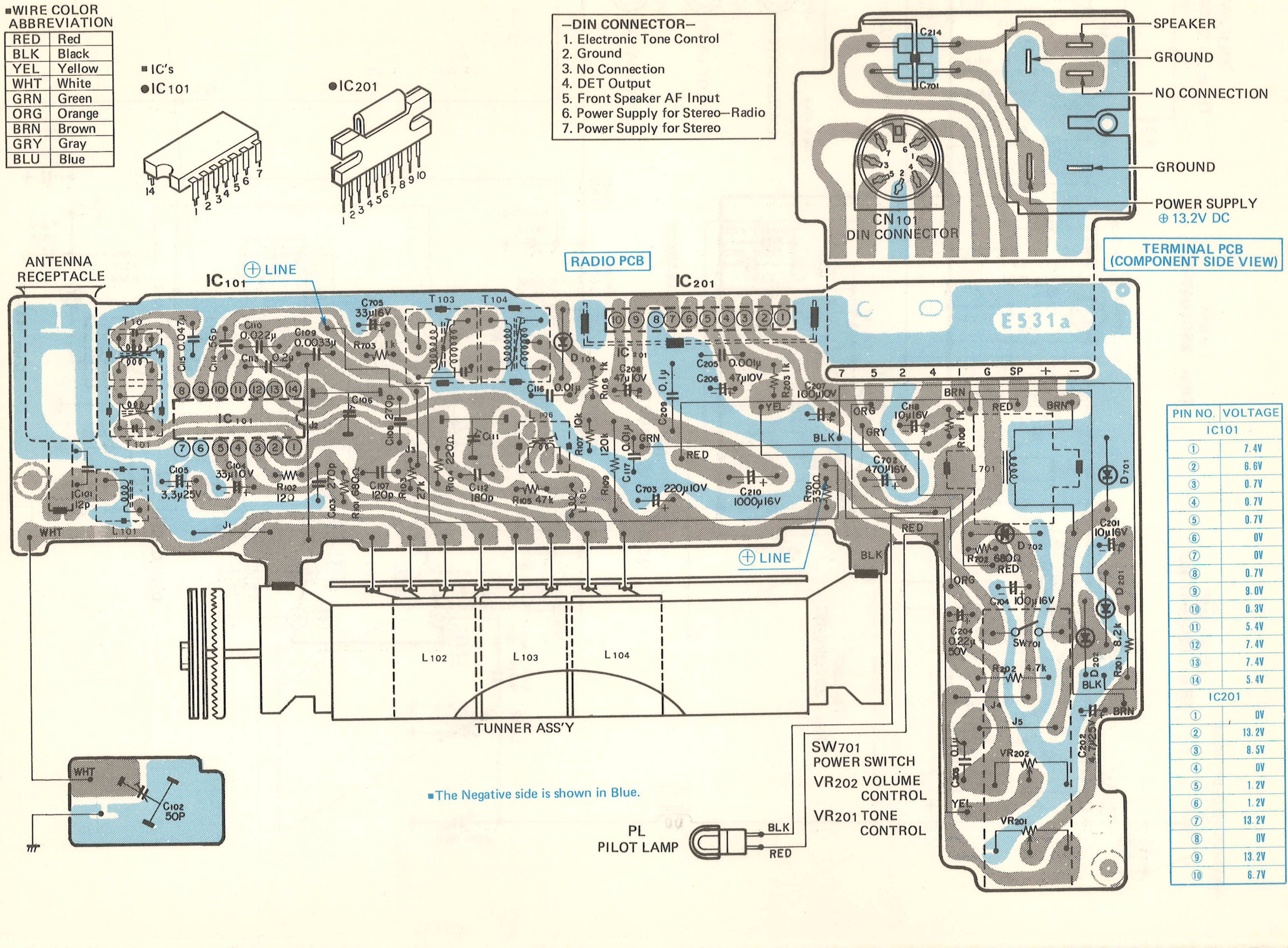
WIRING DIAGRAM

TOYOTA PART NO. 86120-22141
MODEL CR-1201.TB

▪WIRE COLOR ABBREVIATION

RED	Red
BLK	Black
YEL	Yellow
WHT	White
GRN	Green
ORG	Orange
BRN	Brown
GRY	Gray
BLU	Blue

–DIN CONNECTOR–
1. Electronic Tone Control
2. Ground
3. No Connection
4. DET Output
5. Front Speaker AF Input
6. Power Supply for Stereo–Radio
7. Power Supply for Stereo


▪IC's
●IC101
●IC201
14
1 2 3 4 5 6 7
1 2 3 4 5 6 7 8 9 10
C214
C701
SPEAKER
GROUND
NO CONNECTION
GROUND
POWER SUPPLY
⊕13.2V DC
CN101
DIN CONNECTOR
RADIO PCB
TERMINAL PCB (COMPONENT SIDE VIEW)
ANTENNA RECEPTACLE
IC101
⊕ LINE
IC201
E531a
C705 33μ16V
T103
T104
C110 0.022μ
C109 0.0033μ
R703 1k
C113 0.2μ
D101
C205 0.001μ
C206 47μ10V
C204 47μ10V
IC201
C707 100μ10V
7 5 2 4 1 G SP + –
IC101
C105
C105 33μ10V
C104 3.3μ25V
R102 12Ω
C101 12p
L101
WHT
J1
C107 120p
C112 180p
R105 47k
R104 220Ω
C703 220μ10V
C210 1000μ16V
C702 470μ16V
C118 10μ16V
YEL
ORG
GRY
BLK
RED
BRN
GRN
L106
C111
R107 10k
R106 1k
C117 0.01μ
R109 120k
C209 0.1μ
R203 1k
R701
L701
D701
C201 10μ16V
R702 680Ω
D702
C704 100μ16V
C204 0.22μ 50V
SW701
R202 4.7k
D201
D202
R201 8.2k
J4
J5
VR202
VR201
⊕ LINE
L102
L103
L104
TUNNER ASS'Y
WHT
C102 50P
SW701 POWER SWITCH
VR202 VOLUME CONTROL
VR201 TONE CONTROL
PL PILOT LAMP
BLK
RED

▪The Negative side is shown in Blue.

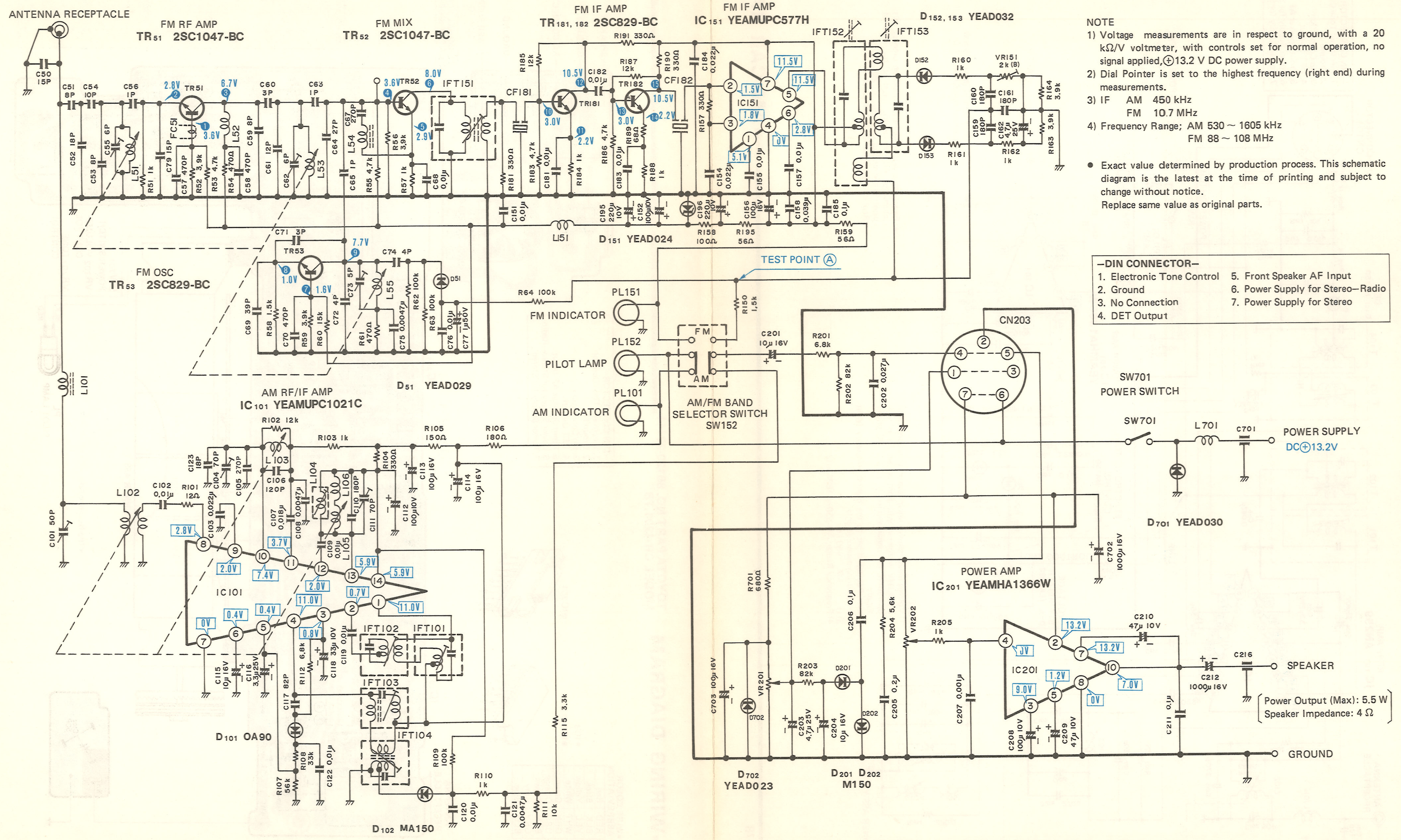
PIN NO	VOLTAGE
IC101	
①	7.4V
②	6.6V
③	0.7V
④	0.7V
⑤	0.7V
⑥	0V
⑦	0V
⑧	0.7V
⑨	9.0V
⑩	0.3V
⑪	5.4V
⑫	7.4V
⑬	7.4V
⑭	5.4V
IC201	
①	0V
②	13.2V
③	8.5V
④	0V
⑤	1.2V
⑥	1.2V
⑦	13.2V
⑧	0V
⑨	13.2V
⑩	6.7V

AM CAR RADIO

Jan., 1978

SCHEMATIC DIAGRAM

TOYOTA PART NO. 86120-22182
MODEL CR-1682.TB


ANTENNA RECEPTACLE
FM RF AMP
TR51 2SC1047-BC
FM MIX
TR52 2SC1047-BC
FM IF AMP
TR181, 182 2SC829-BC
FM IF AMP
IC151 YEAMUPC577H
IFT151
IFT152
IFT153
CF181
CF182
D152, 153 YEAD032
FM OSC
TR53 2SC829-BC
D51 YEAD029
L151
D151 YEAD024
TEST POINT Ⓐ
PL151
FM INDICATOR
PL152
PILOT LAMP
PL101
AM INDICATOR
FM
AM
AM/FM BAND SELECTOR SWITCH
SW152
CN203
SW701
POWER SWITCH
L701
C701
POWER SUPPLY
DC⊕13.2V
D701 YEAD030
AM RF/IF AMP
IC101 YEAMUPC1021C
L101
L102
L103
L104
L105
L106
IC101
IFT101
IFT102
IFT103
IFT104
D101 OA90
D102 MA150
POWER AMP
IC201 YEAMHA1366W
IC201
VR201
VR202
D702 YEAD023
D201 D202 M150
SPEAKER
GROUND

NOTE

1) Voltage measurements are in respect to ground, with a 20 kΩ/V voltmeter, with controls set for normal operation, no signal applied, ⊕13.2 V DC power supply.
2) Dial Pointer is set to the highest frequency (right end) during measurements.
3) IF AM 450 kHz
FM 10.7 MHz
4) Frequency Range; AM 530 ~ 1605 kHz
FM 88 ~ 108 MHz

- Exact value determined by production process. This schematic diagram is the latest at the time of printing and subject to change without notice.
Replace same value as original parts.

—DIN CONNECTOR—

1. Electronic Tone Control
2. Ground
3. No Connection
4. DET Output
5. Front Speaker AF Input
6. Power Supply for Stereo—Radio
7. Power Supply for Stereo

Power Output (Max): 5.5 W
Speaker Impedance: 4 Ω

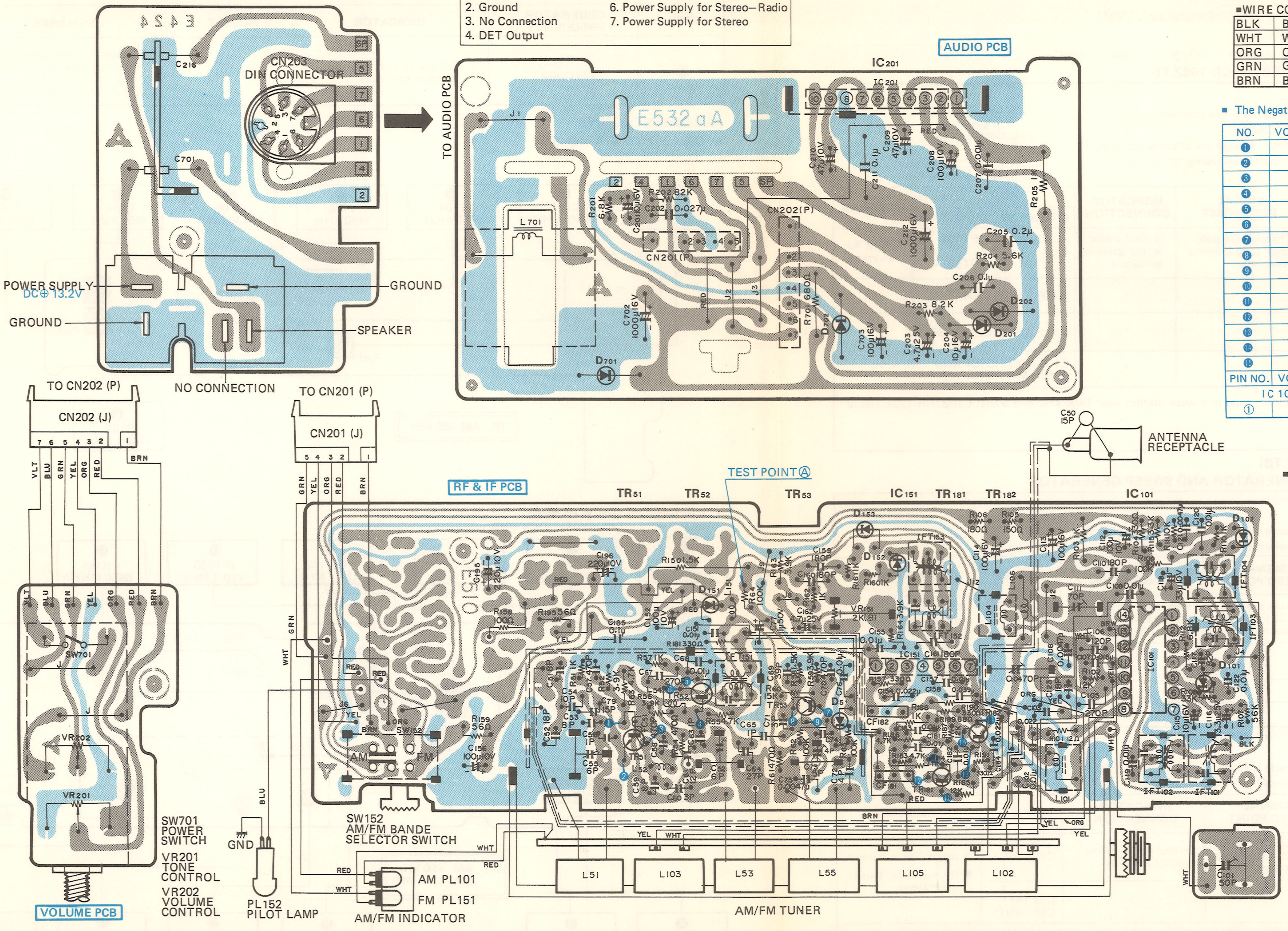
AM/FM CAR RADIO

Jan., 1978

WIRING DIAGRAM

TOYOTA PART NO. 86120-22182
MODEL CR-1682.TB

—DIN CONNECTOR—
1. Electronic Tone Control
2. Ground
3. No Connection
4. DET Output
5. Front Speaker AF Input
6. Power Supply for Stereo—Radio
7. Power Supply for Stereo



TERMINAL PCB (COMPONENT SIDE VIEW)
CN203 DIN CONNECTOR
C216
C701
POWER SUPPLY DC⊕ 13.2V
GROUND
GROUND
SPEAKER
NO CONNECTION
TO AUDIO PCB
AUDIO PCB
IC201
E532aA
L701
J1
J2
J3
CN201(P)
CN202(P)
R201 6.8K
R202 82K
C201 0.1μ 16V
C202 0.027μ
C203 4.7μ 25V
C204 10μ 16V
C205 0.2μ
C206 0.1μ
C207 0.001μ
C208 100μ 10V
C209 47μ 10V
C210 47μ 10V
C211 0.1μ
C212 1000μ 16V
R203 8.2K
R204 5.6K
R205 1K
R701 680Ω
C702 1000μ 16V
C703 100μ 16V
D201
D202
D701
TO CN202 (P)
CN202 (J)
TO CN201 (P)
CN201 (J)
VLT
BLU
GRN
YEL
ORG
RED
BRN
WHT
SW701
VR202
VR201
SW701 POWER SWITCH
VR201 TONE CONTROL
VR202 VOLUME CONTROL
VOLUME PCB
RF & IF PCB
TEST POINT Ⓐ
TR51
TR52
TR53
IC151
TR181
TR182
IC101
D151
D152
D153
D101
D102
IFT151
IFT152
IFT153
IFT101
IFT102
IFT103
IFT104
CF181
CF182
AM
FM
SW152
SW152 AM/FM BANDE SELECTOR SWITCH
GND
PL152 PILOT LAMP
AM PL101
FM PL151
AM/FM INDICATOR
L51
L103
L53
L55
L105
L102
AM/FM TUNER
C50 15P
ANTENNA RECEPTACLE
C101 50P

C101
ANTENNA
TRIMMER

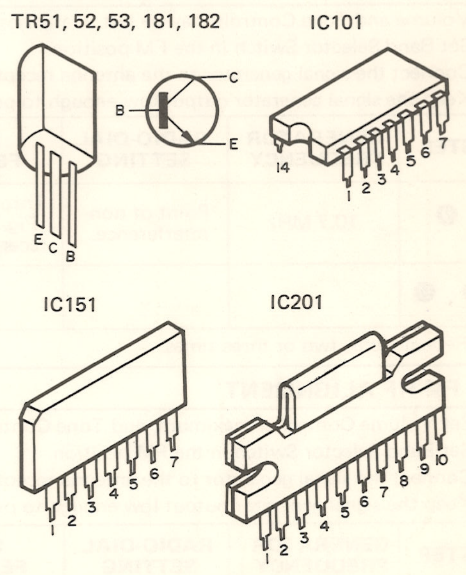
■WIRE COLOR ABBREVIATION

BLK	Black	BLU	Blue
WHT	White	RED	Red
ORG	Orange	YEL	Yellow
GRN	Green	VLT	Violet
BRN	Brown		

■ The Negative Side is shown in Blue.

NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
❶	3.6V	②	0.7V	⑤	11.5V
❷	2.8V	③	0.8V	⑥	2.8V
❸	6.7V	④	11.0V	⑦	11.5V
❹	3.6V	⑤	0.4V	IC 201	
❺	2.9V	⑥	0.4V	①	—
❻	8.0V	⑦	0V	②	13.2V
❼	1.6V	⑧	2.8V	③	9.0V
❽	1.0V	⑨	2.0V	④	0V
❾	7.7V	⑩	7.4V	⑤	1.2V
❿	3.0V	⑪	3.7V	⑥	—
⓫	2.2V	⑫	2.0V	⑦	13.2V
⓬	10.5V	⑬	5.9V	⑧	0V
⓭	3.0V	⑭	5.9V	⑨	—
⓮	2.2V	IC 151		⑩	7.0V
⓯	10.5V	①	5.1V		
PIN NO.	VOLTAGE	②	1.5V		
IC 101		③	1.8V		
①	11.0V	④	0V		

■ Transistors & IC's



TR51, 52, 53, 181, 182
IC101
C
B
E
E C B
14
1 2 3 4 5 6 7
IC151
IC201
1 2 3 4 5 6 7
1 2 3 4 5 6 7 8 9 10

AM/FM CAR RADIO

Jan., 1978

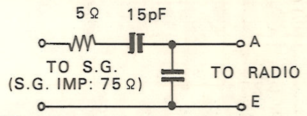
ALIGNMENT INSTRUCTIONS

■ EQUIPMENT REQUIRED

● Signal Generator:	AM 450 ~ 1700 kHz, 400 Hz Mod. @ 30% FM 10.7 MHz, 86 ~ 110 MHz, 400 Hz Mod. @ 30%
● Sweep Generator:	450 kHz, 10.7 MHz
● Antenna Pad:	Refer to Fig 1 and Fig. 3.
● Indicator:	Outputmeter (AC Voltmeter or VTVM) Oscilloscope
● Power Source Voltage:	DC 13.2 V (standard voltage for measurement)

AM (I-F & RF) ALIGNMENT (Both CR-1201.TB and CR-1682.TB)

- Set Volume control at maximum and Tone Control in the treble position.
- Set Band Selector Switch in the AM position. (CR-1682.TB)
- Connect the signal generator to the antenna receptacle through the antenna pad (Fig. 1).
- Keep the signal generator output low enough to prevent overloading the circuits.


5 Ω
15pF
A
TO S.G.
(S.G. IMP: 75 Ω)
TO RADIO
E

※Includes the feeder capacitor

(Fig. 1 Antenna Pad)

	STEP	GENERATOR FREQUENCY	RADIO-DIAL SETTING	SIGNAL FEED POINT	INDICATOR CONNECTION	ADJUST		REMARKS
						CR-1201.TB	CR-1682.TB	
AM IF	❶ ~ ❹	450 kHz [Un-modulated or 400 Hz Mod.]	Point of non-interference (on/about 600 kHz)	Through the pad (Fig. 1) to antenna receptacle	Output meter across speaker terminals.	T104 ≀ T101	IFT104 ≀ IFT101	Adjust for maximum.
AM RF	❺	505 kHz [400 Hz Mod.]	Low freq. end stop.	"	"	L106 (OSC)	L104 (OSC)	"
	❻	1640 kHz [400 Hz Mod.]	High freq. end stop.	"	"	C111 (OSC)	C111 (OSC)	"
	❼ , ❽	1400 kHz [400 Hz Mod.]	Tune to signal	"	"	C106 (RF) C102 (ANT)	C104 (RF) C101 (ANT)	"

- When radio is installed in car, antenna fully extended, tune in a weak station near 1400 kHz and adjust C102 (CR-1201.TB) or C101 (CR-1682.TB) for maximum output.
- Repeat steps, two or three times.

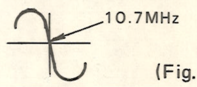
FM (I-F & RF) ALIGNMENT (Only CR-1682.TB)

● FM I-F ALIGNMENT USING SIGNAL GENERATOR AND SWEEP GENERATOR

- Volume and Tone Controls may be left in any position.
- Set Band Selector Switch in the FM position.
- Connect the signal generator to the antenna receptacle through the antenna pad (Fig. 3).
- Keep the signal generator output low enough to prevent overloading the circuits.

	STEP	GENERATOR FREQUENCY	RADIO-DIAL SETTING	SIGNAL FEED POINT	INDICATOR CONNECTION	ADJUST	REMARKS
FM IF	❾	10.7 MHz	Point of non-interference.	Through the pad (Fig. 3) to antenna receptacle.	Vert. amp. of scope to Test Point Ⓐ, low side to ground.	IFT151	Adjust for maximum amplitude and proper linearity between ±100 kHz markers.
	❿ , ⓫	"	"	"	"	IFT152 IFT153	

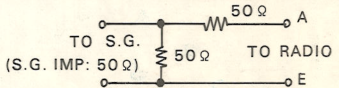
- Repeat steps, two or three times.



(Fig. 2)

● FM RF ALIGNMENT

- Set Volume Control at maximum, and Tone Control in the treble position.
- Set Band Selector Switch in the FM position.
- Connect the signal generator to the antenna receptacle through the antenna pad (Fig. 3).
- Keep the signal generator output low enough to prevent overloading the circuits.


50 Ω
A
TO S.G.
(S.G. IMP: 50 Ω)
50 Ω
TO RADIO
E

(Fig. 3 Antenna Pad)

	STEP	GENERATOR FREQUENCY	RADIO-DIAL SETTING	SIGNAL FEED POINT	INDICATOR CONNECTION	ADJUST	REMARKS
FM RF	⓬	86.0 MHz [400 Hz Mod.]	Low freq. end stop.	Through the pad (Fig. 3) to antenna receptacle.	Output meter across speaker terminals.	C73 (OSC)	● Adjust for maximum. ● Repeat steps, two or three times.
	⓭ , ⓮	98.0 MHz [400 Hz Mod.]	Tune to signal.	"	"	C62 (RF) C55 (ANT)	

- In step ⓬ , adjust lower frequency at 86.0 MHz, The upper frequency will be within 108~ 110 MHz, because of design characteristics. It is non-adjustable.

NOTE: Test Point Ⓐ is the point between C159 and C160.

DETECTOR ALIGNMENT (Only CR-1682.TB) USING SIGNAL GENERATOR

- Set Band Selector Switch in the FM position.
- Connect the signal generator to the antenna receptacle through the antenna pad (Fig. 3).

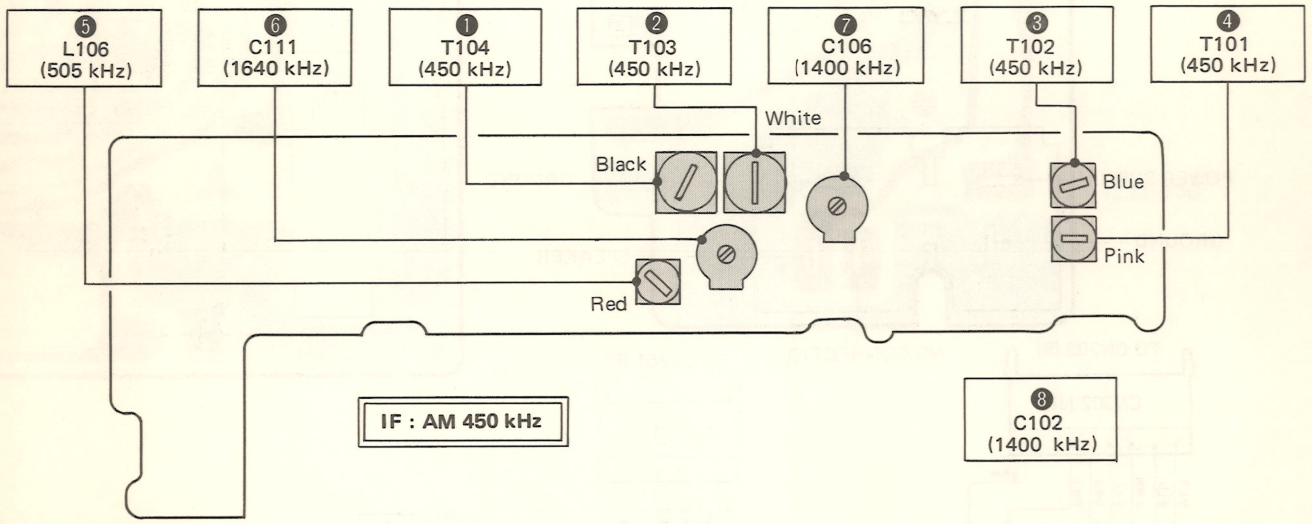
AM/FM Signal Generator:		
	Modulation Level;	FM 400 Hz 30% @ 22.5 kHz
	Signal Generator Output Level;	20 dB/μV
	Signal Generator Frequency;	98 MHz

- Firstly apply FM Modulation Signal and set the radio-dial and Volume Control to 0.5 W output position..

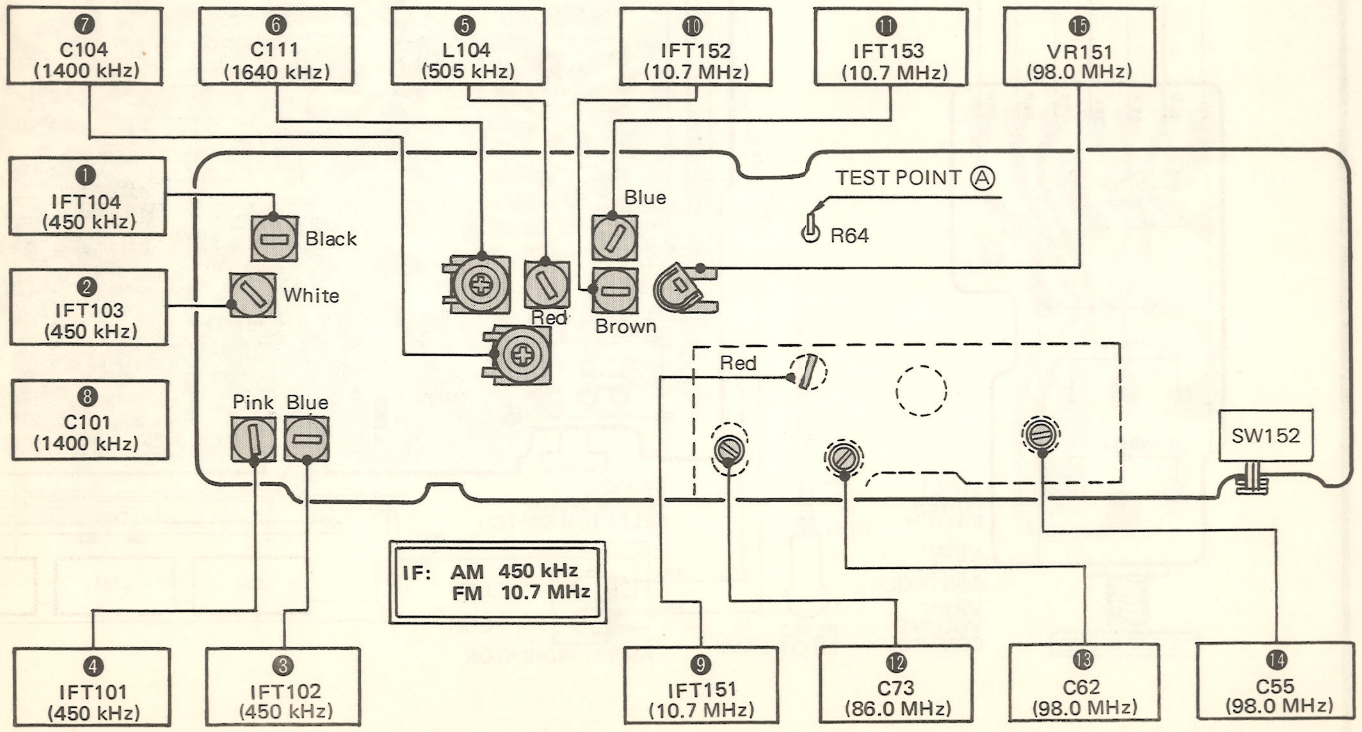
STEP	GENERATOR FREQUENCY	INDICATOR	ADJUST	REMARKS
⓯	98.0 MHz [AM Mod.]	VTVM to Left or Right speaker terminals.	VR151	Change the modulation of the signal generator to AM, 1000 Hz 30%. Adjust VR151 for minimum.

ALIGNMENT POINTS

● CR-1201.TB (RADIO PCB)


❺ L106 (505 kHz)
❻ C111 (1640 kHz)
❶ T104 (450 kHz)
❷ T103 (450 kHz)
❼ C106 (1400 kHz)
❸ T102 (450 kHz)
❹ T101 (450 kHz)
White
Black
Blue
Pink
Red
IF : AM 450 kHz
❽ C102 (1400 kHz)

● CR-1682.TB (RF & IF PCB)


❼ C104 (1400 kHz)
❻ C111 (1640 kHz)
❺ L104 (505 kHz)
❿ IFT152 (10.7 MHz)
⓫ IFT153 (10.7 MHz)
⓯ VR151 (98.0 MHz)
❶ IFT104 (450 kHz)
❷ IFT103 (450 kHz)
❽ C101 (1400 kHz)
TEST POINT Ⓐ
R64
Blue
Black
White
Red
Brown
Red
Pink
Blue
SW152
IF: AM 450 kHz
FM 10.7 MHz
❹ IFT101 (450 kHz)
❸ IFT102 (450 kHz)
❾ IFT151 (10.7 MHz)
⓬ C73 (86.0 MHz)
⓭ C62 (98.0 MHz)
⓮ C55 (98.0 MHz)

■ Numbers in ● are indicated ALIGNMENT STEPS.

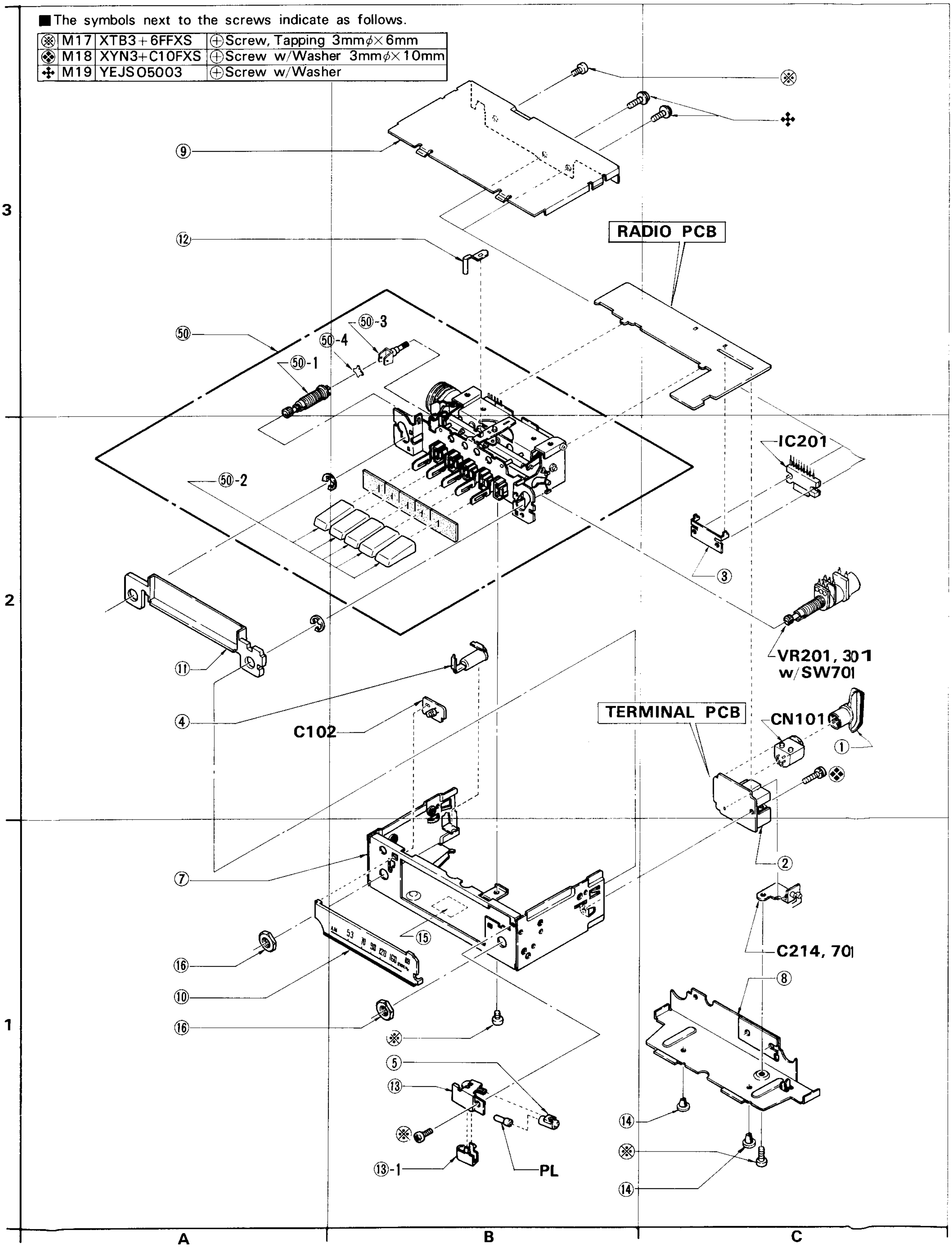
EXPLODED VIEW

TOYOTA PART NO. 86120-22141
MODEL CR-1201.TB

- Numbers in ○ are indicated REF. NO. in the REPLACEMENT PARTS LIST, pages 12 ~ 14.

■The symbols next to the screws indicate as follows.

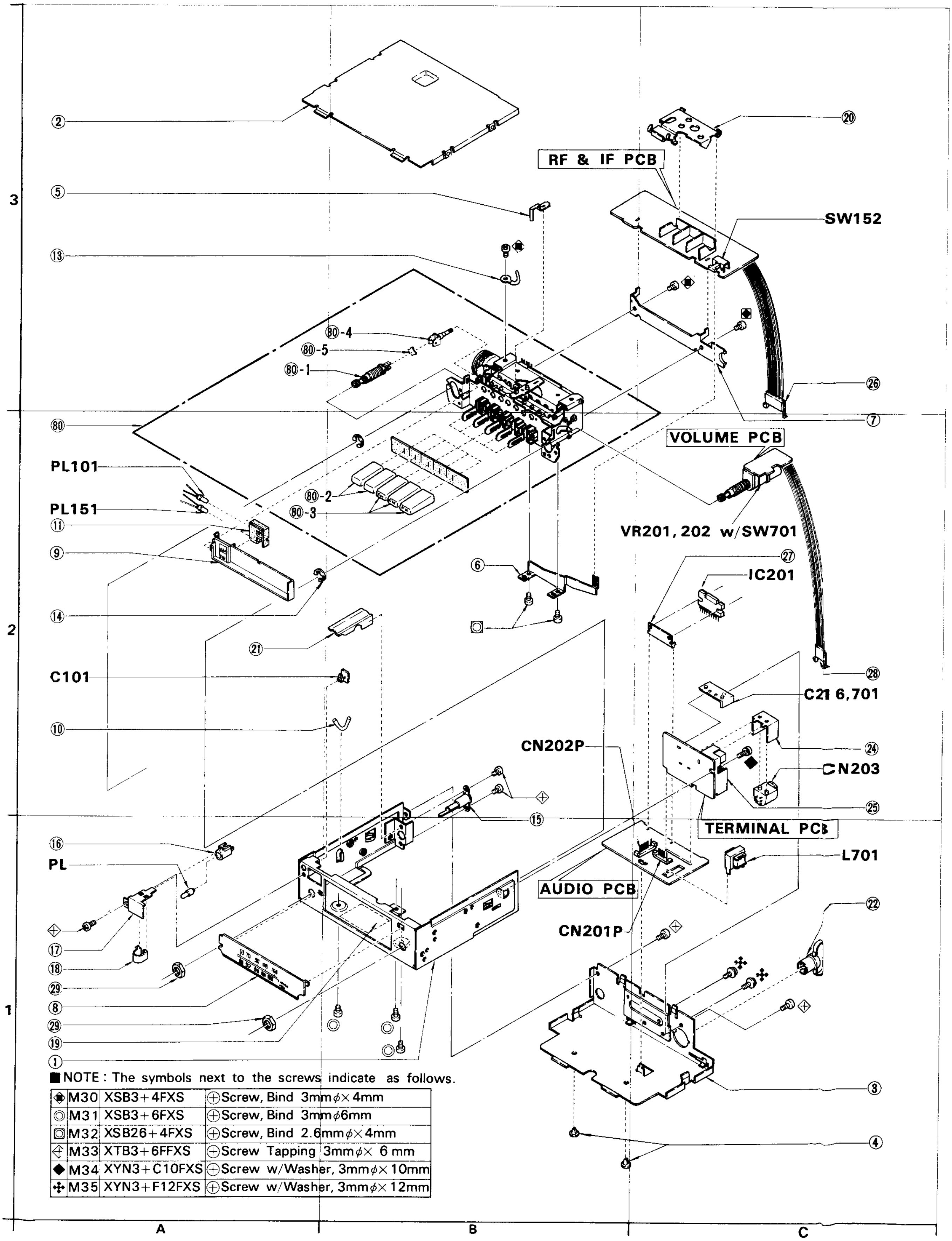
※	M17	XTB3+6FFXS	⊕Screw, Tapping 3mmφ×6mm
❖	M18	XYN3+C10FXS	⊕Screw w/Washer 3mmφ×10mm
✣	M19	YEJS05003	⊕Screw w/Washer



※
✣
⑨
3
RADIO PCB
⑫
㊿
㊿-3
㊿-4
㊿-1
IC201
㊿-2
③
2
VR201, 301
w/SW701
⑪
TERMINAL PCB
④
C102
CN101
①
❖
②
⑦
C214, 701
⑮
⑯
⑩
⑧
1
⑯
※
⑤
⑬
⑭
※
※
⑬-1
PL
⑭
A
B
C

EXPLODED VIEW TOYOTA PART NO. 86120-22182 MODEL CR-1682.TB

- Numbers in ○ are indicated REF. NO. in the REPLACEMENT PARTS LIST, pages 15 ~ 19.



②
⑤
⑬
⑳
RF & IF PCB
SW152
(80)-4
(80)-5
(80)-1
㉖
⑦
(80)
VOLUME PCB
PL101
PL151
(80)-2
(80)-3
⑪
⑨
VR201, 202 w/SW701
㉗
IC201
⑥
⑭
㉑
㉘
C101
C216,701
⑩
CN202P
㉔
CN203
⑮
㉕
TERMINAL PCB
⑯
PL
L701
AUDIO PCB
㉒
CN201P
⑰
⑱
㉙
⑧
㉙
⑲
①
③
④
3
2
1
A
B
C

■NOTE : The symbols next to the screws indicate as follows.

◈	M30	XSB3+4FXS	⊕Screw, Bind 3mmφ×4mm
◎	M31	XSB3+6FXS	⊕Screw, Bind 3mmφ6mm
▣	M32	XSB26+4FXS	⊕Screw, Bind 2.6mmφ×4mm
⟡	M33	XTB3+6FFXS	⊕Screw Tapping 3mmφ× 6 mm
◆	M34	XYN3+C10FXS	⊕Screw w/Washer, 3mmφ×10mm
✣	M35	XYN3+F12FXS	⊕Screw w/Washer, 3mmφ×12mm

Replacement Parts List
Model NO.CR-1201.TB (TOYOTA PART NO.86120-22141)

NOTES:

1. Be sure to make your orders of replacement parts according to this list.
2. Components identified by shaded area have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.
3. The column of Ref. No. indicates the located position of the parts on the EXPLODED VIEW, and see the cross section of the horizontal column (1 ~ up) and the vertical column (A ~ up).

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
		MISCELLANEOUS		
PL (1-B)	YEAL25001W	Pilot Lamp	1	
CN101 (2-C)	YEAE01051	DIN Connector	1	
M1 (2-C)	YEAE03056	Short Plug	1	
M2 (1-C)	YEAT03150	Power Supply/Speaker Terminal	1	
M3 (2-C)	YEFX021634	IC Mounting Plate	1	
M4 (2-A)	YEAA10022	Antenna Receptacle	1	
M5 (1-B)	YEFK04189	Pilot Lamp Holder	1	
M7 (1-A)	YEFA01219	Chassis	1	
M8 (1-C)	YEFA05125A	Bottom Cover	1	
M9 (3-A)	YEFA03224A	Upper Cover	1	
M10 (1-A)	YEFJ08359A	Dial Plate	1	
M11 (2-A)	YEFJ10173	Back Plate	1	
M12 (3-A)	YEFH01116A	Dial Pointer	1	
M13 (1-B)	YEFX021490A	Pilot Lamp Mounting Bracket	1	
M13-1 (1-B)	YEFR04070	Illumination Cap	1	
M14 (1-B)	YEFR01036	Rubber Bushing	2	
M15 (1-B)	YEFM01335	Main Seal	1	
M16 (1-A)	YEJN01028FX	Nut, Hexagon	2	
M17	XTB3 + 6FFXS	⊕ Screw, Tapping 3mmφ x 6mm	4	
M18	XYN3 + C10FXS	⊕ Screw w/Washer 3mmφ x 10mm	1	
M19	YEJS05003	⊕ Screw w/Washer	2	

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
		ICs		
IC101	AN259	RF/IF Amp	1	
IC201	YEAMHA1366W	Power Amp	1	
		DIODES		
D101,201,202	MA150	Det, Electronic Tone Control	3	
D701	YEAD030	Spark Suppression	1	
D702	YEAD023	Voltage Stabilizer	1	
		CAPACITORS		
C101	YECCD1H120KM	12 PF 50WV ±10% Ceramic	1	
C103	YECCD1H271JM	270 PF 50WV ±5% Ceramic	1	
C104	ECEA10V33L	33 MFD 10WV Electrolytic	1	
C105	ECEA25V3R3L	3.3 MFD 25WV Electrolytic	1	
C107	YECCD1H121KM	120 PF 50WV ±10% Ceramic	1	
C108	YECCD1H271JM	270 PF 50WV ±5% Ceramic	1	
C109	YECQN1H332K	0.0033 MFD 50WV ±10% Polyester	1	
C110	YECQN1H223M	0.022 MFD 50WV ±20% Polyester	1	
C112	YECCD1H181JS	180 PF 50WV ±5% Ceramic	1	
C113	YECCD12204M	0.2 MFD 12WV ±20% Ceramic	1	
C114	YECCD1H560KM	56 PF 50WV ±10% Ceramic	1	
C115	YECQN1H473M	0.047 MFD 50WV ±20% Polyester	1	
C116	YECQN1H103M	0.01 MFD 50WV ±20% Polyester	1	
C117	YECQN1H103M	0.01 MFD 50WV ±20% Polyester	1	
C118	ECEA16V10L	10 MFD 16WV Electrolytic	1	
C201	ECEA16V10L	10 MFD 16WV Electrolytic	1	
C202	ECEA25V4R7L	4.7 MFD 25WV Electrolytic	1	
C203	YECCD12104M	0.1 MFD 12WV ±20% Ceramic	1	
C204	ECEA50MR22	0.22 MFD 50WV Electrolytic	1	

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
C205	YECQN1H102K	0.001 MFD 50WV ±10% Polyester	1	
C206	ECEA10V47L	47 MFD 10WV Electrolytic	1	
C207	ECEA10V100L	100 MFD 10WV Electrolytic	1	
C208	ECEA10V47L	47 MFD 10WV Electrolytic	1	
C209	ECQM1H104MZ	0.1 MFD 50WV ±20% Polystyrene	1	
C210	ECEA16V1000Z	1000 MFD 16WV Electrolytic	1	
C214,701	YECCL510343	1000 PF x 2 Feedthrough	1	
C702	ECEA16V470Z	470 MFD 16WV Electrolytic	1	
C703	ECEA10V220L	220 MFD 10WV Electrolytic	1	
C704	ECEA16V100L	100 MFD 16WV Electrolytic	1	
C705	ECEA16V33L	33 MFD 16WV Electrolytic	1	

RESISTORS

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
R101	ERD18VJ681	680 OHM 1/8W ±5% Carbon	1	
R102	ERD18VJ120	12 OHM 1/8W ±5% Carbon	1	
R103	ERD18VJ273	27k OHM 1/8W ±5% Carbon	1	
R104	ERD18VJ221	220 OHM 1/8W ±5% Carbon	1	
R105	ERD18VJ473	47k OHM 1/8W ±5% Carbon	1	
R106	ERD18VJ102	1k OHM 1/8W ±5% Carbon	1	
R107	ERD18VJ103	10k OHM 1/8W ±5% Carbon	1	
R108	ERD18VJ102	1k OHM 1/8W ±5% Carbon	1	
R109	ERD18TJ124	120k OHM 1/8W ±5% Carbon	1	
R201	ERD18TJ822	8.2k OHM 1/8W ±5% Carbon	1	
R202	ERD18TJ472	4.7k OHM 1/8W ±5% Carbon	1	
R203	ERD18VJ102	1k OHM 1/8W ±5% Carbon	1	
R701	ERD18VJ331	330 OHM 1/8W ±5% Carbon	1	
R702	ERD18VJ681	680 OHM 1/8W ±5% Carbon	1	
R703	ERD18VJ102	1k OHM 1/8W ±5% Carbon	1	

VARIABLE CAPACITORS

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
C102	ECV1ZW50X32	50 PF Trimmer	1	
C106,111	YECTT1090	90 PF Trimmer	2	

VARIABLE RESISTORS

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
VR201	EWJ1LBS27931	Tone Control	1	
202		Volume Control		
w/SW701		w/Power Switch		

COILS AND TRANSFORMERS

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
L101	YELQ07S045	RF Choke Coil	1	
L105	YELT06N5R6	RF Coil	1	
L106	YELL07S069	OSC Coil	1	
T101	YEIA07S076A	AM IFT	1	
T102	YEIA07S090	AM IFT	1	
T103	YEIA10S7091	AM IFT	1	
T104	YEIA10S7092	AM IFT	1	
L701	YBTQ025F016	Choke Coil	1	

TUNER

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
M50	YEAU05211	Tuner Ass'y	1	
M50-1	YESAU05S066	Tuning Shaft	1	
M50-2	YEFE10192	Pushbutton	5	
M50-3	YESAU05S064	Pinion Shaft	1	
M50-4	YESAU02Z017	Universal Joint	1	

Ref. No.	Part No.	Part Name & Description		Pcs Set	Remarks
		Toyota Part No.			
		ACCESSORIES			
A2	EAS18D19S		Speaker Ass'y	1	
A4	YEFE08064	86124-22030	Knob, Volume & Dummy	2	
A6	YEFE07070	86125-22020	Knob, Tone & Tuning	2	
A7	YEJN01008BW	90170-09165	Nut, Lock (9mmø)	2	
A8	YEJW02014AW	90201-09351	Washer, Plate	2	
A9	YEFG01371	86211-20052	Bracket, Radio Tuner	1	
A10	YEFG01370	86212-20042	Bracket, Radio Tuner	1	
A11	YEFG01369	86229-20021	Nut, Radio Bracket	1	
A12	YEJV12008	93319-15008	⊕Screw, w/Washer	4	
A13	YEJN01029FP	90179-06070	Nut, Hexagon (6mmø)	2	
A15	YEJW02065	93385-15020	⊕Screw, w/Washer	4	
A19	YECY01005	90980-04011	Capacitor	1	
A21	YECY01072A		Filter, Noise	1	
		PRINTING			
		Installation Manual		1	

Replacement Parts List
Model NO. CR-1682.TB (TOYOTA PART NO.86120-22182)

NOTES:

1. Be sure to make your orders of replacement parts according to this list.
2. Components identified by shaded area have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.
3. The column of Ref. No. indicates the located position of the parts on the EXPLODED VIEW, and see the cross section of the horizontal column (1 ~ up) and the vertical column (A ~ up).

MISCELLANEOUS

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
PL (1-A)	YEAL25001W	Pilot Lamp	1	
PL151 (2-A)	YEAL24002L	FM Indicator	1	
PL101 (2-A)	YEAL24007L	AM Indicator	1	
CN201P (1-B)	EMCS0501	5P Plug	1	
CN202P (2-B)	EMCS0701	7P Plug	1	
CN203 (2-C)	YEAE01051	DIN Connector	1	
M1 (1-A)	YEFA01221A	Chassis	1	
M2 (3-A)	YEFA03226	Upper Cover	1	
M3 (1-C)	YEFA05128B	Bottom Cover	1	
M4 (1-C)	YEFR01036	Rubber Bushing	2	
M5 (3-A)	YEFH01138A	Dial Pointer	1	
M6 (2-B)	YEFX021482	Band Selector Switch Lever	1	
M7 (2-C)	YEFX021483	PCB Mounting Bracket	1	
M8 (1-A)	YEFJ08361	Dial Plate	1	
M9 (2-A)	YEFJ10179	Back Plate Ass'y	1	
M10 (2-A)	YEFX024037	Tube	1	
M11 (2-A)	YEFK04161	Pilot Lamp Holder	1	
M13 (3-A)	YAFX033035	Clamper	1	
M14 (2-A)	YEJE01001	E-Ring	1	
M15 (1-B)	YEAA10023	Antenna Receptacle	1	
M16 (1-A)	YEFK04189	Pilot Lamp Holder	1	
M17 (1-A)	YEFX021497	Pilot Lamp Holder Mounting Bracket	1	
M18 (1-A)	YEFR04070	Illumination Cap	1	
M19 (1-A)	YEFM01351	Main Seal	1	
M20 (3-C)	YEFA03222	Upper Cover	1	
M21 (2-A)	YEFA13112	Antenna Shield Plate	1	
M22 (1-C)	YEAE03056	DIN Short Plug	1	
M24 (2-C)	YEFX021430B	DIN Mounting Bracket	1	
M25 (2-C)	YEAT03150	Power Supply/Speaker Terminal	1	
M26 (3-C)	EMCB0716A	7P Jack (CN202J)	1	
M27 (2-C)	YEFX021634A	IC Mounting Bracket	1	
M28 (2-C)	EMCB0520A	5P Jack (CN201J)	1	
M29 (1-A)	YEJN01028FX	Nut, Hexagon	2	
M30	XSB3 + 4FXS	⊕Screw, Bind 3mmφ x 4mm	3	
M31	XSB3 + 6FXS	⊕Screw, Bind 3mmφ x 6mm	3	
M32	XSB26 + 4FXS	⊕Screw, Bind 2.6mmφ x 4mm	2	
M33	XTB3 + 6FFXS	⊕Screw, Taptite 3mmφ x 6mm	5	
M34	XYN3 + C10FXS	⊕Screw w/Washer, 3mmφ x 10mm	1	
M35	XYN3 + F12FXS	⊕Screw w/Washer, 3mmφ x 12mm	2	

ICs AND TRANSISTORS

RF & IF BLOCK

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
IC101	YEAMUPC1021C	AM RF/IF Amp	1	
IC151	YEAMUPC577H	FM IF Amp	1	
TR51, 52	2SC1047	FM RF Amp, FM Mix	2	
TR53, 181, 182	2SC829	FM OSC, FM IF Amp	3	

AUDIO BLOCK

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
IC201	YEAMHA1366W	Power Amp	1	

DIODES

RF & IF BLOCK

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
D51	YEAD029	FM AFC	1	
D101	OA90	AM AGC	1	
D102	MA150	AM Det	1	
D151	YEAD024	Voltage Stabilizer	1	
D152, 153	YEAD032	FM Disc	2	

AUDIO BLOCK

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
D201, 202	MA150	Electronic Tone Control	2	
D701	YEAD030	Spark Suppression	1	
D702	YEAD023	Voltage Stabilizer	1	

CAPACITORS

MAIN UNIT

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
C50	YECCD1H150KM	15 PF 50WV +10% Ceramic	1	

RF & IF BLOCK

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
C51	YECCD1H080DM	8 PF 50WV ±0.5 PF Ceramic	1	
C52	YECCD1H180KM	18 PF 50WV ±10% Ceramic	1	
C53	YECCD1H080DS	8 PF 50WV ±0.5 PF Ceramic	1	
C54	YECCD1H100JS	10 PF 50WV ±5% Ceramic	1	
C56	YECCD1H010CM	1 PF 50WV ±0.25 PF Ceramic	1	
C57, 58	YECKD05471K	470 PF 50WV ±10% Ceramic	2	
C59	YECCD1H080DM	8 PF 50WV ±0.5 PF Ceramic	1	
C60	YECCD1H030CM	3 PF 50WV ±0.25 PF Ceramic	1	
C61	YECCD1H120JU	12 PF 50WV ±5% Ceramic	1	
C63	YECCD1H010CM	1 PF 50WV ±0.25 PF Ceramic	1	
C64	YECCD1H270KM	27 PF 50WV ±10% Ceramic	1	
C65	YECCD1H010CM	1 PF 50WV ±0.25 PF Ceramic	1	
C67	YECCD1H271JM	270 PF 50WV ±5% Ceramic	1	
C68	YECKD05103Z	0.01 MFD 50WV +80, −20% Ceramic	1	
C69	YECCD1H390KM	39 PF 50WV ±10% Ceramic	1	
C70	YECKD05471K	470 PF 50WV ±10% Ceramic	1	
C71	YECCD1H030DD	3 PF 50WV ±0.5 PF Ceramic	1	
C72	YECCD1H040DU	4 PF 50WV ±0.5 PF Ceramic	1	
C74	YECCD1H040DU	4 PF 50WV ±0.5 PF Ceramic	1	
C75	YECQN1H472K	0.0047 MFD 50WV ±10% Polyester	1	
C76	YECKD05103Z	0.01 MFD 50WV +80, −20% Ceramic	1	
C77	ECEA50V1L	1 MFD 50WV Electrolytic	1	
C79	YECCD1H150KM	15 PF 50WV ±10% Ceramic	1	
C102	YECQN1H103M	0.01 MFD 50WV ±20% Polyester	1	
C103	YECQN1H223M	0.022 MFD 50WV ±20% Polyester	1	

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
C105	YECCD1H271JM	270 PF 50WV ±5% Ceramic	1	
C106	YECCD1H121KM	120 PF 50WV ±10% Ceramic	1	
C107	YECQN1H183M	0.018 MFD 50WV ±20% Polyester	1	
C108	YECQN1H472K	0.0047 MFD 50WV ±10% Polyester	1	
C109	YECQN1H103M	0.01 MFD 50WV ±20% Polyester	1	
C110	YECCD1H181JS	180 PF 50WV ±5% Ceramic	1	
C112	ECEA10V100L	100 MFD 10WV Electrolytic	1	
C113, 114	ECEA16V100L	100 MFD 16WV Electrolytic	2	
C115	ECEA16V10L	10 MFD 16WV Electrolytic	1	
C116	ECEA25V3R3L	3.3 MFD 25WV Electrolytic	1	
C117	YECCD1H820KM	82 PF 50WV ±10% Ceramic	1	
C118	ECEA10V33L	33 MFD 10WV Electrolytic	1	
C119, 120	YECQN1H103M	0.01 MFD 50WV ±20% Polyester	2	
C121	YECQN1H472K	0.0047 MFD 50WV ±10% Polyester	1	
C122	YECQN1H103M	0.01 MFD 50WV ±20% Polyester	1	
C123	YECCD1H180KM	18 PF 50WV ±10% Ceramic	1	
C151	YECKD05103Z	0.01 MFD 50WV +80, −20% Ceramic	1	
C152	ECEA10V100L	100 MFD 10WV Electrolytic	1	
C154	YECQN1H223M	0.022 MFD 50WV ±20% Polyester	1	
C155	YECKD05103Z	0.01 MFD 50WV +80, −20% Ceramic	1	
C156	ECEA16V100L	100 MFD 16WV Electrolytic	1	
C157	YECKD05103Z	0.01 MFD 50WV +80, −20% Ceramic	1	
C158	YECQN1H393M	0.039 MFD 50WV ±20% Polyester	1	
C159 161	YECCD1H181KM	180 PF 50WV ±10% Ceramic	3	
C162	ECEA25V4R7L	4.7 MFD 25WV Electrolytic	1	
C181 183	YECKD05103Z	0.01 MFD 50WV +80, −20% Ceramic	3	
C184	YECQN1H223M	0.022 MFD 50WV ±20% Polyester	1	
C185	YECQN1H104M	0.1 MFD 50WV ±20% Polyester	1	
C195, 196	ECEA10V220L	220 MFD 10WV Electrolytic	2	

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
		AUDIO BLOCK		
C201	ECEA16V10L	10 MFD 16WV Electrolytic	1	
C202	YECQN1H273M	0.027 MFD 50WV ±20% Polyester	1	
C203	ECEA25V4R7L	4.7 MFD 25WV Electrolytic	1	
C204	ECEA16V10L	10 MFD 16WV Electrolytic	1	
C205	YECCD12204M	0.2 MFD 12WV ±20% Ceramic	1	
C206	YECCD12104M	0.1 MFD 12WV ±20% Ceramic	1	
C207	YECQN1H102K	0.001 MFD 50WV ±10% Polyester	1	
C208	ECEA10V100L	100 MFD 10WV Electrolytic	1	
C209	ECEA10V47L	47 MFD 10WV Electrolytic	1	
C210	ECEA10V47L	47 MFD 10WV Electrolytic	1	
C211	ECQM1H104MZ	0.1 MFD 50WV ±20% Polyester	1	
C212	ECEA16V1000Z	1000 MFD 16WV Electrolytic	1	
C216, 701	YECCL510317	1000 PF x 2 Feedthrough	1	
C702	ECEA16V1000Z	1000 MFD 16WV Electrolytic	1	
C703	ECEA16V100L	100 MFD 16WV Electrolytic	1	
		RESISTORS		
		RF & IF BLOCK		
R51	ERD18VJ102	1k OHM 1/8W ±5% Carbon	1	
R52	ERD18VJ392	3.9k OHM 1/8W ±5% Carbon	1	
R53	ERD18VJ472	4.7k OHM 1/8W ±5% Carbon	1	
R54	ERD18VJ471	470 OHM 1/8W ±5% Carbon	1	
R55	ERD18VJ472	4.7k OHM 1/8W ±5% Carbon	1	
R56	ERD18TJ392	3.9k OHM 1/8W ±5% Carbon	1	
R57	ERD18VJ102	1k OHM 1/8W ±5% Carbon	1	
R58	ERD18VJ152	1.5k OHM 1/8W ±5% Carbon	1	
R59	ERD18VJ392	3.9k OHM 1/8W ±5% Carbon	1	
R60	ERD18VJ153	15k OHM 1/8W ±5% Carbon	1	

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
R61	ERD18VJ471	470 OHM 1/8W ±5% Carbon	1	
R62, 63	ERD18VJ104	100k OHM 1/8W ±5% Carbon	2	
R64	ERD18TJ104	100k OWM 1/8W ±5% Carbon	1	
R101	ERD18VJ120	12 OHM 1/8W ±5% Carbon	1	
R102	ERD18VJ123	12k OHM 1/8W ±5% Carbon	1	
R103	ERD18VJ102	1k OHM 1/8W ±5% Carbon	1	
R104	ERD18VJ331	330 OHM 1/8W ±5% Carbon	1	
R105	ERD18VJ151	150 OHM 1/8W ±5% Carbon	1	
R106	ERD18VJ181	180 OHM 1/8W ±5% Carbon	1	
R107	ERD18VJ563	56k OHM 1/8W ±5% Carbon	1	
R108	ERD18VJ333	33k OHM 1/8W ±5% Carbon	1	
R109	ERD18VJ104	100k OHM 1/8W ±5% Carbon	1	
R110	ERD18VJ102	1k OHM 1/8W ±5% Carbon	1	
R111	ERD18TJ103	10k OHM 1/8W ±5% Carbon	1	
R112	ERD18VJ682	6.8k OHM 1/8W ±5% Carbon	1	
R115	ERD18VJ332	3.3k OHM 1/8W ±5% Carbon	1	
R150	ERD18TJ152	1.5k OHM 1/8W ±5% Carbon	1	
R157	ERD18VJ331	330 OHM 1/8W ±5% Carbon	1	
R158	ERD14VJ101	100 OHM 1/4W ±5% Carbon	1	
R159	ERD14FJ560	56 OHM 1/4W ±5% Carbon	1	
R160 162	ERD18VJ102	1k OHM 1/8W ±5% Carbon	3	
R163	ERD18TJ392	3.9k OHM 1/8W ±5% Carbon	1	
R164	ERD18VJ392	3.9k OHM 1/8W ±5% Carbon	1	
R181	ERD18VJ331	330 OHM 1/8W ±5% Carbon	1	
R183	ERD18VJ472	4.7k OHM 1/8W ±5% Carbon	1	
R184	ERD18VJ102	1k OHM 1/8W ±5% Carbon	1	
R185	ERD18VJ123	12k OHM 1/8W ±5% Carbon	1	
R186	ERD18VJ472	4.7k OHM 1/8W ±5% Carbon	1	
R187	ERD18VJ123	12k OHM 1/8W ±5% Carbon	1	
R188	ERD18VJ102	1k OHM 1/8W ±5% Carbon	1	
R189	ERD18VJ680	68 OHM 1/8W ±5% Carbon	1	
R190, 191	ERD18VJ331	330 OHM 1/8W ±5% Carbon	2	
R195	ERD18VJ560	56 OHM 1/8W ±5% Carbon	1	

AUDIO BLOCK

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
R201	ERD18VJ682	6.8k OHM 1/8W ±5% Carbon	1	
R202	ERD18VJ823	82k OHM 1/8W ±5% Carbon	1	
R203	ERD18VJ822	8.2k OHM 1/8W ±5% Carbon	1	
R204	ERD18VJ562	5.6k OHM 1/8W ±5% Carbon	1	
R205	ERD18TJ102	1k OHM 1/8W ±5% Carbon	1	
R701	ERD18TJ681	680 OHM 1/8W ±5% Carbon	1	

VARIABLE CAPACITORS

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
C55, 62	ECV1ZW06X32	6 PF Trimmer	2	
C73	YECTAT1397	5 PF Trimmer	1	
C104, 111	YECTTC10S700	70 PF Trimmer	2	
C101	ECV1ZW50X32	50 PF Trimmer	1	

VARIABLE RESISTORS

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
VR151	EVNK4AA00B23	2k OHM (B) Semi-Fixed	1	
VR201	EWJ1LBS26931	Tone Control	1	
202		Volume Control		
w/SW701		w/Power Switch		

SWITCH

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
SW152	YEAS07046	AM/FM Band Selector Switch	1	

MODEL CR-1682.TB (TOYOTA PART NO. 86120-22182)

COILS, TRANSFORMERS AND CERAMIC FILTERS

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
L52, 106	YELT04C5R6K	RF Coil	2	
L54	YELT03C011	RF Coil	1	
L101	YELQ07S045	RF Choke Coil	1	
L104	YELL07S069	OSC Coil	1	
L151	YELT04C330K	RF Coil	1	
FC51	YEAZQ5BRH002	Tuner Core	1	
IFT101	YEIA07S7076A	AM IFT	1	
IFT102	YEIA07S7090	AM IFT	1	
IFT103	YEIA07S7093	AM IFT	1	
IFT104	YEIA07S7094	AM IFT	1	
IFT151	YEIF07S7049	FM IFT	1	
IFT152	YEIF07S7048	FM IFT	1	
IFT153	YEIF07S7047	FM IFT	1	
CF181, 182	YEIN09N5004	Ceramic Filter	2	
L701	YETQ025F036	Choke Coil	1	

TUNER

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
M80	YEAU05210	Tuner Ass'y	1	
M80-1	YESAU05S066	Tuning Shaft	1	
M80-2	YEFE10091	Pushbutton (AM)	2	
M80-3	YEFE10092	Pushbutton (FM)	3	
M80-4	YESAU05S064	Pinion Shaft	1	
M80-5	YESAU02Z017	Universal Joint	1	

MODEL CR-1683FUTB (TOYOTA PART NO. 00852-22182)

ACCESSORIES

Ref. No.	Part No.	Toyota Part No.	Part Name & Description	Pcs Set	Remarks
A2	EAS18D19S		Speaker Ass'y	1	
A4	YEFE08064	86124-22030	Knob, Volume & Dummy	2	
A6	YEFE07070	86125-22020	Knob, Tone & Tuner	2	
A7	YEJN01008BW	90170-09165	Nut, Lock (9mmø)	2	
A8	YEJW02014AW	90201-09351	Washer, Plate	2	
A9	YEFG01371	86211-20052	Bracket Radio Tuner	1	
A10	YEFG01370	86212-20042	Bracket , Radio Tuner	1	
A11	YEFG01369	86229-20021	Nut, Radio Bracket	1	
A12	YEJV12008	93319-15008	⊕ Screw, w/Washer	4	
A13	YEJN01029FP	9017-06070	Nut, Hexagon (6mmø)	2	
A15	YEJW02065	93385-15020	⊕ Screw, w/Washer	4	
A19	YECY01005	90980-04011	Capacitor	1	
A20	YECY01071A		Filter, Noise	1	
A21	YECY01072A		Filter, Noise	1	

PRINTINGS

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
		Installation Manual	1	

PARTS AVAILABILITY

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